

Calmark offers the Series LE260 Extracting/Lever-Lok ("Card-Lok") retainer for cold plate/heat-exchanger applications. This totally unique design provides the significant feature of PC board extraction in addition to tool free lever action locking. The Series LE260 provides visual indication of accurate, repeatable locking to a preset clamping force.

FEATURES:

- Safe and easy PC board extraction with 4:1 mechanical advantage.
- Tool free actuation.
- Visual indication of locked or unlocked status.
- Preset and adjustable clamping force.
- Maintained wedge and body alignment for easy installation.
- Special lengths, finishes, or other design options available on request.



PATENT NO. 5,224,016

MATERIALS & FINISHES

Adjustment Screw & Spring Retainer

Stainless Steel per ASTM-A582 or QQ-S-763
Passivate per MIL-S-5002
With locking element per MIL-F-18240

Bodies, wedges, and Shaft

Aluminum Alloy, 6061-T6 ASTM-B221
Black Anodize per MIL-A-8625 Type II, Cl 2 and *Dry film lube per MIL-L-46010 Type 1 *(Bodies and Wedges only)

Lever Arm

Aluminum Alloy, 6061-T6 ASTM-B221
Black Hard Anodize per MIL-A-8625 Type III, Class 2

Front Washer

Stainless Steel, MPIF Standard 35

Rear Washer

Stainless Steel ASTM-A240
Passivate per MIL-S-5002

Spring Washers

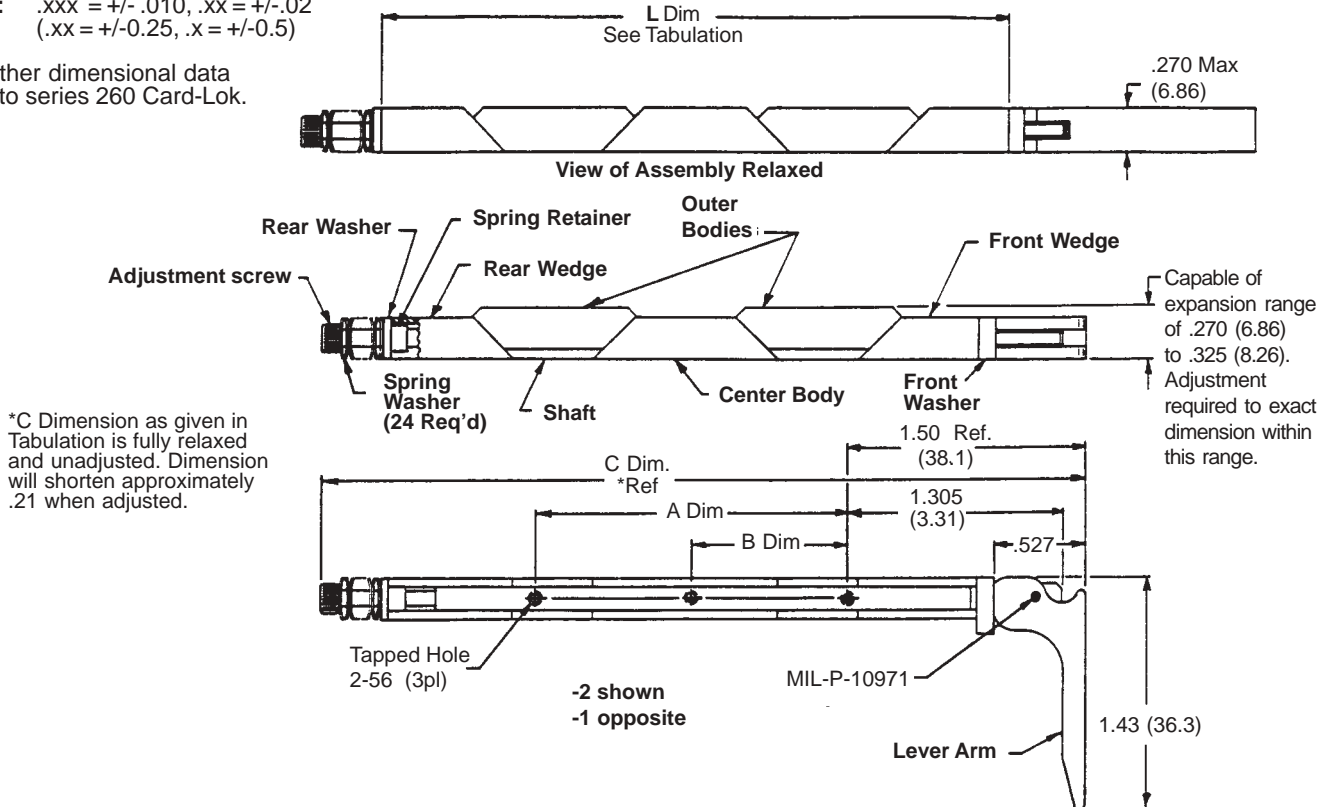
Stainless Steel ASTM-A666
Passivate per MIL-S-5002

TABULATION

Length	L Dim +/- .005	A Dim +/- .005	B Dim +/- .005	C Dim *Ref.	Weight
2.80 (71.12)	2.80 (71.12)	.900 (22.86)	.450 (11.43)	4.03 (102.4)	.47 oz. (13.3g)
3.80 (96.52)	3.80 (96.52)	1.900 (48.26)	.950 (24.13)	5.03 (127.8)	.56 oz. (15.9)
4.80 (121.92)	4.80 (121.92)	2.900 (73.66)	1.450 (36.83)	6.03 (153.2)	.64 oz. (18.1g)

TOLERANCES: .xxx = +/- .010, .xx = +/- .02
(.xx = +/-0.25, .x = +/-0.5)

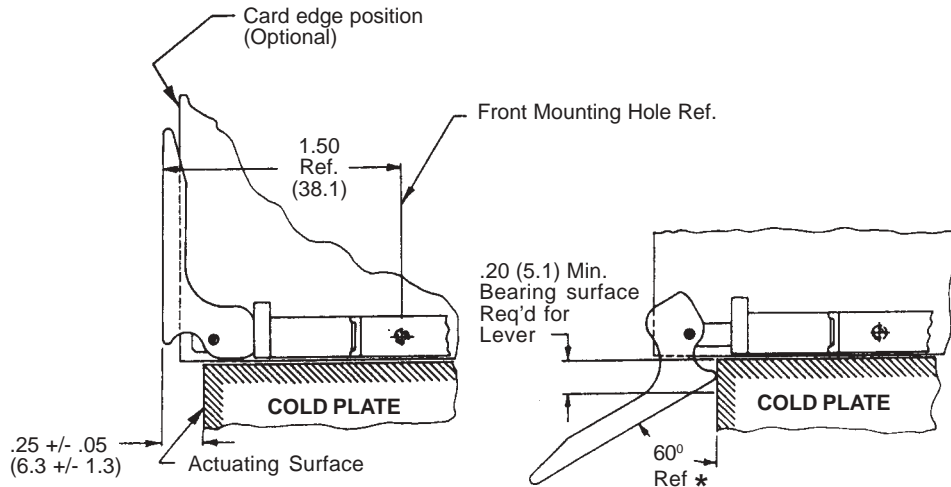
NOTES: For other dimensional data refer to series 260 Card-Lok.



*C Dimension as given in Tabulation is fully relaxed and unadjusted. Dimension will shorten approximately .21 when adjusted.

Capable of expansion range of .270 (6.86) to .325 (8.26). Adjustment required to exact dimension within this range.

APPLICATION DATA: Extraction mechanical advantage - 4:1



*** Extraction Travel**
.25 (6.4)
when lever rotated to 60° angle as shown.
.35 (8.9)
when lever fully rotated

Clamping Force Adjustment Procedure-

NOTE: Lever-Lok furnished assembled with spring stack preloaded but not adjusted.

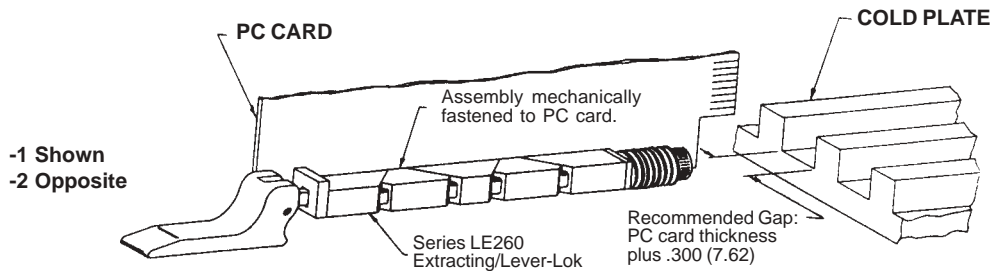
1. Fasten Lever-Lok to PC card/module
2. Insert PC card/module into slot in cold plate
3. Actuate lever to locked/closed position
4. Tighten screw on end of shaft until wedges initially contact wall of cold plate slot, or slight insertion extraction drag is felt
5. Additionally tighten locknut two full turns.
DO NOT EXCEED TWO (2) TURNS.
6. Lever-Lok is now ready to use

NOTE: Factory adjustment of clamping force available on request.

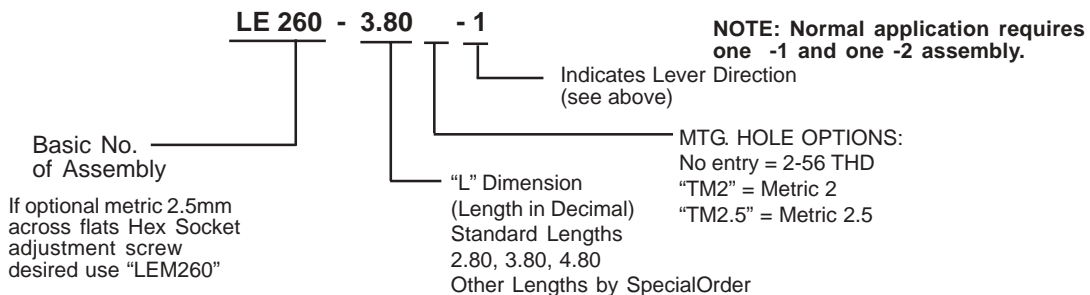
Clamping Force Data-

Direct force of assembly is approximately 125 lbs. (556N), when adjusted per recommended procedure.

Direct force of assembly is affected approximately as follows:
6 lbs. (26.7N) per each .001 (0.025mm) variation of cold plate slot width, or 38lbs. (169.1 N)per each full turn of screw.



PART NO. CODE



Unit: INCH (MM)